

Title (en)

REFRIGERATOR FOR PREVENTING AIR SUPPLY DUCT FROM FALLING DOWN

Title (de)

KÜHLSCHRANK ZUR VERHINDERUNG DES HERUNTERFALLENS DER LUFTVERSORGUNGSLEITUNG

Title (fr)

RÉFRIGÉRATEUR POUR EMPÊCHER UN CONDUIT D'ALIMENTATION EN AIR DE TOMBER

Publication

**EP 3929512 B1 20230215 (EN)**

Application

**EP 20763380 A 20200219**

Priority

- CN 201910142771 A 20190226
- CN 2020075885 W 20200219

Abstract (en)

[origin: EP3929512A1] Disclosed is a refrigerator (100) preventing an air supply duct (141) from falling down, which includes a top cover (103) that divides a lowermost storage liner (130) into a storage space (132) located above and a cooling space located below, an evaporator (101) arranged in the cooling space, and the air supply duct (141) arranged at an inner side of a rear wall of the storage liner (130), communicating with the cooling space, and configured to deliver at least part of cooled airflow into the storage space (132). The cooling space raises a height of the storage space (132) located above the cooling space, thus reducing a bend-down degree of a user during an operation of taking and placing articles in the storage space (132), and improving use experience of the user. The top cover (103) includes a top cover body (103a) and a supporting portion (103b) protruding upward from a rear end of the top cover body (103a); a bearing portion (141b) protruding forward is formed on a front wall surface of the air supply duct (141); and the top cover (103) and the air supply duct (141) are arranged such that the supporting portion (103b) supports the bearing portion (141b) to prevent the air supply duct (141) from falling down.

IPC 8 full level

**F25D 17/08** (2006.01)

CPC (source: CN EP US)

**F25D 11/02** (2013.01 - US); **F25D 11/022** (2013.01 - CN); **F25D 17/045** (2013.01 - CN); **F25D 17/062** (2013.01 - EP); **F25D 17/065** (2013.01 - CN US); **F25D 17/08** (2013.01 - CN); **F25D 19/00** (2013.01 - CN); **F25D 21/14** (2013.01 - CN); **F25D 23/066** (2013.01 - US); **F25D 2317/063** (2013.01 - CN); **F25D 2317/0651** (2013.01 - CN EP US); **F25D 2317/0665** (2013.01 - EP); **F25D 2317/067** (2013.01 - CN EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3929512 A1 20211229**; **EP 3929512 A4 20220420**; **EP 3929512 B1 20230215**; AU 2020227759 A1 20210930; AU 2020227759 B2 20221103; CN 111609612 A 20200901; US 12025363 B2 20240702; US 2022146182 A1 20220512; WO 2020173358 A1 20200903

DOCDB simple family (application)

**EP 20763380 A 20200219**; AU 2020227759 A 20200219; CN 201910142771 A 20190226; CN 2020075885 W 20200219; US 202017434387 A 20200219